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JC06 AC'd PCT/PTO, 17 JUN 2005

PATENT  
DP-309023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harcombe, Anthony et al. )  
Serial No.: N/A ) Examiner: N/A  
Filing Date: Filed Herewith ) Group Art Unit: N/A  
Title: CAM ARRANGEMENT AND FUEL PUMP )  
ARRANGEMENT INCORPORATING A CAM )  
ARRANGMENT )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir or Madam:

Applicant(s) requests the Examiner to consider and make of record in the present application the reference(s) and/or information provided herein and/or on attached PTO 1449.

**CHECK ONE: (A, B, or C.)**

[ X ] A. This statement is submitted within 1) three months after the filing date (even if after the first action); or 2) before the mailing date of a first Office Action on the merits. No fee, petition or certification is required.

A copy of the Search Report issued 13.04.2004 in counterpart PCT Application No. PCT/GB03/005554, filed 18 December 2003 and UK Search Report issued 14 July 2003 in counterpart GB Patent application 0229487.4, filed 18 December 2002 are also enclosed.

[ ] B. This statement is submitted after the period specified in para. A, but before Final Office Action or Notice of Allowance; and

**CHECK ONE: (1, 2, or 3)**

[ X ] 1. I certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or

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June 17, 2005

[ ] 2. I certify that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and each item of information contained in the attached material, to my knowledge, after making reasonable inquiry, was not known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or

[ ] 3. Charge the fee of \$180.00 called for in 37 C.F.R. 1.17(p) to Delphi Technologies Deposit Account No. 50-0831.

[ ] C. This statement is submitted after a Final Office Action or Notice of Allowance, but before payment of the issue fee. Charge the fee of \$180.00 called for in 37 C.F.R. 1.17(p) and any fee deficiency to Delphi Technologies Deposit Account No. 50-0831; and

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[ ] 1. I certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or

[ ] 2. I certify that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and each item of information contained in the attached material, to my knowledge, after making reasonable inquiry, was not known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

If any additional fee or additional amount of fee is required in connection with this submission, please charge the appropriate fee to Delphi Technologies Deposit Account No. 50-0831.

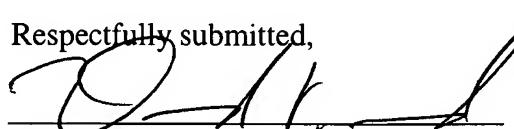
**Certificate of Mailing Under C.F.R. 37 § 1.8**

I hereby certify that this document is being deposited with the United States Postal Service in an envelope as first class mail addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on:

Date of Deposit: June 17, 2005

Signature: Suzanne M. Britt  
Suzanne M. Britt

By:

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INFORMATION  
CLOSURE CITATION WITH DOCUMENT COPIES

	Atty. Docket No. DP-309023	Application No. <b>39873</b> N/A
Applicant: Harcombe, Anthony et al.		
Filing Date Filed Herewith		Art Unit: N/A

## U.S. PATENT DOCUMENTS

Examiners Initials	Document Number	Date	Name	Classification Class/Subclass
	3827419	08/06/1974	Isomura	
	4962743	10/16/1990	Perr et al.	
	5032066	07/16/1991	Baty	
	6230689	05/15/2001	Tengroth et al.	

## FOREIGN PATENT DOCUMENTS

Examiners Initials	Document Number	Date	Country	Classification Class/Subclass	Translation Yes   No
	1480002		GB		
	0778412	11.06.1997	EP		
	1072785	31.01.2001	EP		
	1219827	03.07.2002	EP		
	1359316	05.11.2003	EP		
	2026600	06.02.1980	GB		
	2057065	25.03.1981	GB		
	2112871	27.07.1983	GB		

## NON-PATENT DOCUMENTS

Examiners Initials	Include as applicable: Author, Title, Date, Publisher, Edition/Volume, Pertinent Pages

Examiner:	Date Considered:
* Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	



Application No: GB 0229487.4  
Claims searched: 1 to 9 & 11 to 24

Examiner: Jason Clee  
Date of search: 14 July 2003

## Patents Act 1977 : Search Report under Section 17

### Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance	
A	-	GB 2026600 A	(Lucas Industries Ltd)
A	-	GB 1480002 A	(Lewa Herbert OTT KG)
A	-	EP 1219827 A	(CRF) especially see the multi step cam of figure 3
A	-	US 6230689	(Volvo Lastvagnar AB)
A	-	EP 0778412 A	(Isuzu Motors Ltd)
A	-	US 3827419	(Nippon Denso Co.) especially see figure 4

### Categories:

X Document indicating lack of novelty or inventive step	A Document indicating technological background and/or state of the art
Y Document indicating lack of inventive step if combined with one or more other documents of same category.	P Document published on or after the declared priority date but before the filing date of this invention.
& Member of the same patent family	E Patent document published on or after, but with priority date earlier than, the filing date of this application.

### Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC<sup>V</sup>:

F1W

Worldwide search of patent documents classified in the following areas of the IPC<sup>C</sup>:

F02M & F04B

The following online and other databases have been used in the preparation of this search report:

Online: WPI, EPODOC & JAPIO